

Rec'd PCT/PTO 01 MAR 2006

10/523191

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/523,191A
Source: PCT
Date Processed by STIC: 3/1/06

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/01/2006

PATENT APPLICATION: US/10/523,191A

TIME: 13:48:07

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03012006\J523191A.raw

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3 <110> APPLICANT: Kaneka Corporation,
4     Nagoya Industrial Science Research Institute (Chubu Technology Licensing
5     Office)
7 <120> TITLE OF INVENTION: Method of expressing gene in transgenic birds using
retrovirus vector and
8     transgenic birds thus obtained
10 <130> FILE REFERENCE: T753/TRANS-1
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/523,191A
C--> 12 <141> CURRENT FILING DATE: 2005-01-25
12 <150> PRIOR APPLICATION NUMBER: JP P2002-236089
13 <151> PRIOR FILING DATE: 2002-08-13
15 <160> NUMBER OF SEQ ID NOS: 37
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 25
19 <212> TYPE: DNA
20 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: Designed sequence of a 5'-primer used for PCR amplification
of the Miw
24     promoter 5' region fragment
26 <400> SEQUENCE: 1
27 cggctctagag gaattcagtg gttcg 25
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 26
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I
recognition site
37     at the 5' terminal used for PCR amplification of the Miw promoter 5' region
38     fragment
40 <400> SEQUENCE: 2
41 ccaggatccg acgttgtaaa acgacg 26
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 28
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Hind III
recognition
51     site at the 5' terminal used for PCR amplification of the Miw promoter 3' region
52     fragment
54 <400> SEQUENCE: 3
55 ccaaagcttg ccgcagccat tgcctttt 28

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58 <210> SEQ ID NO: 4
59 <211> LENGTH: 27
60 <212> TYPE: DNA

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61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Bln I
recognition site
65         at the 5' terminal used for PCR amplification of the Miw promoter 3' region
66         fragment
68 <400> SEQUENCE: 4
69 atacctaggg gctggctgcg gaggaac 27
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 29
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Nhe I
recognition site
79         at the 5' terminal used for PCR amplification of the chicken beta-actin promoter
80         fragment lacking the intron
82 <400> SEQUENCE: 5
83 tttagctagc tgcagctcag tgcattgcac 29
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 27
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Xba I
recognition site
93         at the 5' terminal used for PCR amplification of the chicken beta-actin promoter
94         fragment lacking the intron
96 <400> SEQUENCE: 6
97 ataattctaga aacgcagcga ctccccgc 27
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 25
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Xho I
recognition site
107         at the 5' terminal used for PCR amplification of the coding fragment of the
108         human antibody light chain kappa constant region
110 <400> SEQUENCE: 7
111 atcctcgaga ggccaaagta cagtg 25
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 33
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I
recognition site
121         at the 5' terminal used for PCR amplification of the coding fragment of the
122         human antibody light chain kappa constant region
124 <400> SEQUENCE: 8
125 cccggatccc taacactctc ccctgttgaa gct 33
128 <210> SEQ ID NO: 9

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129 <211> LENGTH: 48

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130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I
recognition site
135     at the 5' terminal used for PCR amplification of the coding fragment of the
136     human antibody light chain variable region
138 <400> SEQUENCE: 9
139 agcggccgct acaggtgtcc actccgacat cgtgatgacc cagtctcc 48
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 34
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Xho I
recognition site
149     at the 5' terminal used for PCR amplification of the coding fragment of the
150     human antibody light chain variable region
152 <400> SEQUENCE: 10
153 cctctcgagg atagaagtta ttccagcagga acac 34
156 <210> SEQ ID NO: 11
157 <211> LENGTH: 32
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Xho I
recognition site
163     at the 5' terminal used for PCR amplification of the coding fragment of the
164     human antibody heavy chain mu constant region
166 <400> SEQUENCE: 11
167 acctcgagcg tggccgttgg ctgcctcgca ca 32
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 32
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Hind III
recognition
177     site at the 5' terminal used for PCR amplification of the coding fragment of
the
178     human antibody heavy chain mu constant region
180 <400> SEQUENCE: 12
181 actaagctta cgttgtagag ggtgggttta cc 32
184 <210> SEQ ID NO: 13
185 <211> LENGTH: 48
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I
recognition site
191     at the 5' terminal used for PCR amplification of the coding fragment of the
192     human antibody heavy chain variable region
194 <400> SEQUENCE: 13

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195 agcggccgct acaggtgtcc actccgaggt gcagctggtg gagtctgg 48
198 <210> SEQ ID NO: 14

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199 <211> LENGTH: 36
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Xho I
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205     at the 5' terminal used for PCR amplification of the coding fragment of the
206     human antibody heavy chain variable region
208 <400> SEQUENCE: 14
209 cacgctcgag gtatccgacg ggggaattctc acagga 36
212 <210> SEQ ID NO: 15
213 <211> LENGTH: 49
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Hind III
recognition
219     site at the 5' terminal used for DNA polymerase reaction to construct the
coding...
220     fragment of the human epidermal growth factor receptor transmembrane region
222 <400> SEQUENCE: 15
223 cccaagcttg atctccactg ggatgggtggg ggcctcctc ttgctgctg 49
226 <210> SEQ ID NO: 16
227 <211> LENGTH: 78
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I
recognition site
233     at the 5' terminal used for DNA polymerase reaction to construct the coding
234     fragment of the human epidermal growth factor receptor transmembrane region
236 <400> SEQUENCE: 16
237 cccggatcct cagtcaaggc gccttcgcat gaagaggccg atccccaggg ccaccaccag 60
238 cagcaagagg agggcccc 78
241 <210> SEQ ID NO: 17
242 <211> LENGTH: 31
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Designed oligonucleotide used for site-directed mutagenesis
to generate
248     the Nar I recognition site at the 3' terminal of the coding fragment of the
249     human antibody light chain variable region
251 <400> SEQUENCE: 17
252 tgaagacaga tggcgccgcc acagttcggt t 31
255 <210> SEQ ID NO: 18
256 <211> LENGTH: 30
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Designed oligonucleotide used for site-directed mutagenesis
to generate
262     the BamH I recognition site at the 3' terminal of the coding fragment of the

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263 human antibody heavy chain variable region
265 <400> SEQUENCE: 18

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Input Set : A:\pto.da.txt

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266 tggggcgcat gcggatcctg aggagacggt 30
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 30
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I
recognition site
276         at the 5' terminal used for PCR amplification of the coding fragment of the
277         mouse antibody light chain variable region
279 <400> SEQUENCE: 19
280 cgcggccgcc tcagggaaaag tttgaagatg 30
283 <210> SEQ ID NO: 20
284 <211> LENGTH: 36
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the Nar I
recognition site
290         at the 5' terminal used for PCR amplification of the coding fragment for the
291         mouse antibody light chain variable region
293 <400> SEQUENCE: 20
294 cggcgccgcc acagtccgtt ttatttccag cttggt 36
297 <210> SEQ ID NO: 21
298 <211> LENGTH: 30
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Designed sequence of a 5'-primer incorporating the Not I
recognition site
304         at the 5' terminal used for PCR amplification of the coding fragment of the
305         mouse antibody heavy chain variable region
307 <400> SEQUENCE: 21
308 cgcggccgcg aacacggamc cctcaccatg 30
311 <210> SEQ ID NO: 22
312 <211> LENGTH: 28
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Designed sequence of a 3'-primer incorporating the BamH I
recognition site
318         at the 5' terminal used for PCR amplification of the coding fragment of the
319         mouse antibody heavy chain variable region
321 <400> SEQUENCE: 22
322 cggatcctgc agagacagt accagagt 28
325 <210> SEQ ID NO: 23
326 <211> LENGTH: 18
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Designed sequence of a 5'-primer used for PCR amplification
of the coding
332         fragment of the human antibody heavy chain gamma-1 constant region

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334 <400> SEQUENCE: 23

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/01/2006
PATENT APPLICATION: US/10/523,191A TIME: 13:48:08

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\03012006\J523191A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 7
Seq#:2; Line(s) 36
Seq#:3; Line(s) 51
Seq#:4; Line(s) 64
Seq#:5; Line(s) 78,79
Seq#:6; Line(s) 92,93
Seq#:7; Line(s) 106
Seq#:8; Line(s) 120
Seq#:9; Line(s) 134
Seq#:10; Line(s) 148
Seq#:11; Line(s) 162
Seq#:12; Line(s) 177
Seq#:13; Line(s) 190
Seq#:14; Line(s) 204
Seq#:15; Line(s) 219
Seq#:16; Line(s) 232
Seq#:19; Line(s) 275
Seq#:20; Line(s) 289
Seq#:21; Line(s) 303
Seq#:22; Line(s) 317
Seq#:23; Line(s) 331
Seq#:24; Line(s) 344
Seq#:25; Line(s) 357
Seq#:26; Line(s) 372
Seq#:27; Line(s) 385,386
Seq#:28; Line(s) 399,400
Seq#:29; Line(s) 413
Seq#:30; Line(s) 427
Seq#:31; Line(s) 441
Seq#:32; Line(s) 454
Seq#:33; Line(s) 467
Seq#:35; Line(s) 494
Seq#:36; Line(s) 507
Seq#:37; Line(s) 520

VERIFICATION SUMMARY

DATE: 03/01/2006

PATENT APPLICATION: US/10/523,191A

TIME: 13:48:08

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03012006\J523191A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date